Public Works (PW): Planning for and Responding to a Terrorism/WMD Incident

DHS/G&T Course: MGT 317

Program of Instruction

National Emergency Response and Rescue Training Center
Texas Engineering Extension Service (TEEX)
Texas A&M University System

TEEX is a member of the
National Domestic Preparedness Consortium

Course Details

Course Length: On-Site MGT 317 course is 24 hours, typically delivered over 3 days, 8 hours each day.

Delivery Location: Location determined for MGT 317 course by hosting jurisdiction.

Delivery Method: The MGT 317 course is conducted using facilitated discussion, practical exercises, case studies and scenario-driven exercises.

Cost: There is no cost to jurisdictions. Course materials and instructors are funded by the Department of Homeland Security, Office of Grants and Training. The sponsoring jurisdiction provides the training facility and any amenities if desired. Responsibility for any backfill, overtime, travel, and per diem for students who attend is provided by the sending jurisdiction.

Educational Credits (CEU): 2.4 CEUs upon completing the MGT 317 On-Site course. Students must attend at least 85% of the On-Site course, making at least 70% on the post test. An additional .4 CEUs upon completion of the AWR 112 On-line course for a total of 2.8 CEUs.

Certificate: Upon completion of the On-Site MGT 317 and AWR 112 On-Line course, students will receive certificates for completion for both courses from TEEX and NERRTC.

- **Prerequisites:** It is recommended that successful completion of the On-Line AWR 112 Basic Public Works Concepts for WMD Incidents course be completed prior to attending the MGT 317 On-Site course. Students may opt to take the On-Line course after the On-Site course. To access the AWR 112 course, log on to http://www.teexwmdcampus.com via TEEX Web campus. Sign in as 'NEW USER". Fill out information page. Complete the On-Line course. Students must pass the On-Line exam with a grade of 80%.

Target Audience: This course is designed for personnel from the following disciplines:

- Public Works (PW)
- Law Enforcement (LE)
- Fire Service (FS)
- Hazardous Material (HazMat)
- Emergency Medical Services (EMS)
- Emergency Management Agency (EMA)
- Health Care (HC)
- Public Health (PH)
- Governmental Administrative (GA)
- Public Safety Communications (PSC)
- Local Private Utilities

Course Overview

Background

This course was developed to bring together personnel from the Public Works discipline as well as all first responders that serve the needs of citizens during major disasters. Fire Service, Emergency Medical and Law Enforcement are generally seen as the primary responders to daily emergencies within any community. Often overlooked are the services that support these emergency responders and without whom their response would be far less effective. In addition, the critical infrastructure needs are vital to the community and are generally supported by the Public Works discipline. The course brings all disciplines together to demonstrate the need for a unified response and recovery from all major disasters.

Description

This course trains all first responders, especially Public Works personnel, in their responsibilities and roles to protect, restore and maintain critical infrastructure and public services as part of a community's preparation and response to a weapon of mass destruction (WMD)/terrorism incident or other major disaster. Upon completion of the course, the participants will be able to successfully conduct vulnerability assessments of the jurisdiction's critical infrastructure and facilities and effectively contribute to the management of a WMD/terrorism incident as a member of the jurisdiction's unified command structure. The participants conclude the course with an activity designed to improve and enhance the jurisdiction's emergency response planning as it relates to Public Works and other participating disciplines.

Course Modules

Module 1: Overview of Terrorism.

Skill Sets:

Terrorism Recognition

Recognition of Terrorist Possible Weapons, i.e., CBRNE

Intelligence Recognition

Module 2: Vulnerability Assessment.

Skill Sets:

Public Infrastructure Vulnerabilities Identification

Public Infrastructure Vulnerability Assessment

Module 3: Responding to a Terrorism/WMD Incident.

Skill Sets:

Responding to a Significant Terrorism Incident

Incident Management Organization

Incident Management Response Applications

Incident Resources

Module 4: Recovery from a Terrorism/WMD Incident.

Skill Set:

Recovery from a Significant Terrorism Incident

Incident Management Recovery Applications

Incident Funding Sources

Critical Incident Stress Management

Module 5: Preparing for a Terrorism/WMD Incident.

Skill Sets:

Preparing for a Significant Terrorism Incidents:

Incident Operations Planning

Course Scope

The scope of this course addresses a number of priorities and capabilities that Department of Homeland Security is encouraging state and local jurisdictions to establish. This course assists with establishing priorities for the National Planning Scenarios, National Preparedness Goals, the National Response Plan, and the National Incident Management System.

National Planning Scenarios

The National Planning Scenarios are a reference to help federal, state, local, and tribal entities at all levels of government evaluate and improve their capabilities to perform their assigned missions and tasks. This course provides training on how local jurisdictions in cooperation with their local public works departments can respond to and recover from incidents of national significance. This includes but is not limited to protection of critical infrastructure, debris management, working in the unified command system among all other aspects of a terrorism/WMD incident or natural disaster.

Course Scope (continued)

National Preparedness Goal

The National Preparedness Goal has three overarching priorities to focus on:

1) Implement the National Incident Management System and the National Response Plan
2) Expand Regional Collaboration
3) Implement the National Infrastructure Protection Plan

The capability specific priorities are:

1) Strengthen Information Sharing and Collaboration Capabilities
2) Strengthen Interoperability Communications Capabilities
3) Strengthen CBRNE Detection, Response, and Decontamination Capabilities
4) Strengthen Medical Surge and Prophylaxis Capabilities

These capabilities are improved through facilitated discussion, classroom scenarios of multi-disciplined workgroups and vulnerability assessments.

Target Capabilities List

The Target Capabilities List (TCL) provides guidance on the specific capabilities and levels of capability that Federal, State, local, and tribal entities will be expected to develop and maintain. The current TCL identifies 37 essential capabilities. The following are the major TCL items addressed through facilitated discussion, application exercises and, a final tabletop exercise during the course:

1) Planning
2) Community Preparedness and Participation
3) CBRNE Detection Critical Infrastructure Protection (CIP)
4) On-site Incident Management
5) Emergency Operations Center (EOC) operations
6) Management of Critical Resource Logistics and Distribution
7) Responder Safety and Health
8) Public Safety and Security Response
9) WMD/Hazardous Materials Response and Decontamination
10) Citizen Protection: Evacuation and or In-place Protection
11) Protection and Restoration of Critical Infrastructure

Universal Task List

The Universal Task List (UTL) is a menu of tasks from all sources that may be performed in major events such as those illustrated by the National Planning Scenarios. Entities at

all levels of government should use the UTL as a reference to help them develop proficiency through training and exercises to perform their assigned missions and tasks in major events. The UTL defines what tasks need to be performed to prevent, protect against, respond to, and recover from major events. The UTL does not address who performs a task or how to perform a task. Those issues are addressed in operational policies, plans, and procedures. This course gives jurisdictions the capability to perform the following tasks:

Function ID	Sequence #	Task
Com.A	3.1.7	Develop Continuity of Government Plan
Com.A	3.1.8	Develop continuity plans describing how personnel, equipment, and other governmental, nongovernmental, and private resources will support the sustainment and/or reestablishment of essential functions
Res.A	3.2	Coordinate incident site communication within a National Incident Management System (NIMS) compliant framework
Res. B	1.6.1.1.5	Provide direction, information, and /or support as appropriate to incident command (IC) or unified command (UC) and or joint field offices(s)
Com.A	13.1	Integrate citizen preparedness and participation into Federal, regional, State, tribal, urban, and local strategies and emergency operating plans, incident management systems, and mutual aid agreements. Include citizens in the planning process at all levels.
Res.B	53.2.4	Coordinate and integrate the resources and operations of external affairs organizations and private media outlets to provide the public with accurate, consistent, and timely information.
Res.C	3. 3	Coordinate mass care, housing, shelter, and human services support in response to incidents of national, regional, and state significance.
Pre.A	21.2.2	Identify items and materials used by criminal and/or terrorist organizations to carry out attacks.
Pre.C	12.2.4.2	Conduct coordinated incident response actions.
Pre.B	1 3.1.3	Develop and implement training to enable personnel to recognize the presence of CBRNE material (e.g., first responders, law enforcement, intelligence, and medical community).
Pro.A	2 1	Conduct vulnerability assessments of critical assets and key resources.
Res.B	15.6.1	Develop the incident action plan (IAP) to establish priorities, procedures, and actions to be accomplished to meet the incident objectives.
Res.B	14	Activate the Multi-Agency Coordination Center (MACC) (e.g., Emergency Operation Center EOC))
Res.B	13	Activate the incident command system
Res.B	11.4.2	Develop, adopt, and implement plans to support IC, UC, or other agencies as needed

Course Modules

Module Overview

Module #	Module Title	Time Allocation
Day One		
Module 0	Course Orientation	1.0 hour
Module 1	Overview of Terrorism	4.0 hours
	Lunch	1.0 hour
Module 2	Vulnerability Assessment	3.0 hours
Day Two		
Module 2	Vulnerability Assessment	1.0 hour
Module 3	Responding to a Terrorism Incident	3.0 hours
	Lunch	1.0 hour
Module 3	Responding to a Terrorism Incident	3.0 hours
Module 4	Recovery from a Terrorism Incident	1.0 hours
Day Three		
Module 4	Recovery from a Terrorism Incident	4.0 hours
	Lunch	1.0 hour
Module 5	Preparing for a Terrorism Incident	4.0 hours
TOTAL CLASSROOM HOURS		**24 hours**

Resource Requirements

Instructor to student ratios are: 2 instructors to Minimum 24 students/Maximum 30 students for all lectures, instructor facilitated discussions, and small group discussions and activities.

The following items are provided by the sponsoring jurisdiction for the delivery of this course:

- Classroom capable of handling all course participants
- Projection screen
- Flip chart and/or whiteboard or chalkboard
- Flip chart markers and/or whiteboard markers or chalk
- Predetermined sites for Vulnerability Assessments

The following items are provided by TEEX for the delivery of this course:

- Participant Manuals (one per participant)
- Module 1 – 5 Microsoft PowerPoint® presentation slides
- Remote control device
- Laptops and projectors

Module 1: Overview of Terrorism

Terminal Objective: Determine how the basic motivations of potential threat elements can affect potential targets within the community.

Enabling Objectives:

1. Recognize a terrorist incident based on the FBI definition /Criteria.

2. Examine terrorist ideologies and motivations.

3. Identify the most common WMD/CBRNE weapons.

4. Demonstrate the Jane's Chem-Bio Handbook

Module 2 : Vulnerability Assessment

Terminal Objective: Develop a potential target list and conduct a vulnerability assessment on a selected facility.

Enabling Objectives:

1. Describe the importance of the vulnerability assessment process in reducing the impact of a terrorism/CBRNE incident in the community.

2. Analyze a potential target for the creation of a vulnerability assessment.

3. Design a planning scenario for a potential target.

4. Explain how the vulnerability assessment results are used in developing a jurisdictional risk rating.

Module 3 : Responding to a Terrorism/WMD Incident

Terminal Objective: Determine the issues to consider and include in response to a terrorism/WMD incident.

Enabling Objectives:

1. Prioritize the response activities of Public Works after a terrorism incident.

2. Examine the incident response management strategies that were developed in accordance with the National Incident Management System.

3. Analyze the initial response action to a terrorism/WMD incident with consideration to protecting evidence, responders and the public.

4. Identify resources available during incident response.

5. Describe the psychological impact of terrorism/WMD incidents on responders.

6. Examine a case study of historical significance.

Module 4 : Recovery from a Terrorism/WMD Incident.

Terminal Objective: Develop a list of fundamental elements for use by public works to direct and supervise the execution of employee's responsibilities during the recovery phase of a terrorism/WMD incident.

Enabling Objectives:

1. List major public works activities that are conducted during recovery from a terrorism/WMD incident.

2. Examine federal sources that provide assistance following a terrorism incident.

3. Identify funding assistance that is available following a terrorism incident.

4. Describe the objectives pertaining to the recovery and termination of operations after a terrorism incident.

Module 5 : Preparing for a Terrorism/WMD Incident.

Terminal Objective: Review the jurisdictional emergency plan and Terrorism Incident Annex.

Enabling Objectives:

1. Identify Public Works responsibilities and needs in a Terrorism Incident Annex.

2. Describe a course of action to meet the needs of an emergency operations plan.

3. Identify planning efforts that require coordination and cooperation with other agencies.

Instructional Resources Required:

- Module presentation slides
- Participant Manual
- Computer
- Projector